

ABSTRACT

The present invention relates to a tracking system comprised in a receiver, which tracking system is operable to track rapid changes in frequency and phase offset. The tracking  
5 system comprises a first system operable to perform a pilot-based phase and frequency tracking. The tracking system also comprises a second system operable to perform data-based phase and frequency tracking. The tracking system also comprises a control means connected to said first system and to  
10 said second system, which control means is operable to gradually reduce the effect of said first system, i.e. said pilot-based phase and frequency tracking.